PD-9501GO Midspan

Single-port, Outdoor PoE Midspan, 60W, IEEE802.3at Compliant

- Data
- Power
- Data & Power

PoE Midspan

Switch

AC Power

Indoor / Outdoor

Outdoor Camera   or   Outdoor WiMAX CPE   or   Outdoor WLAN AP
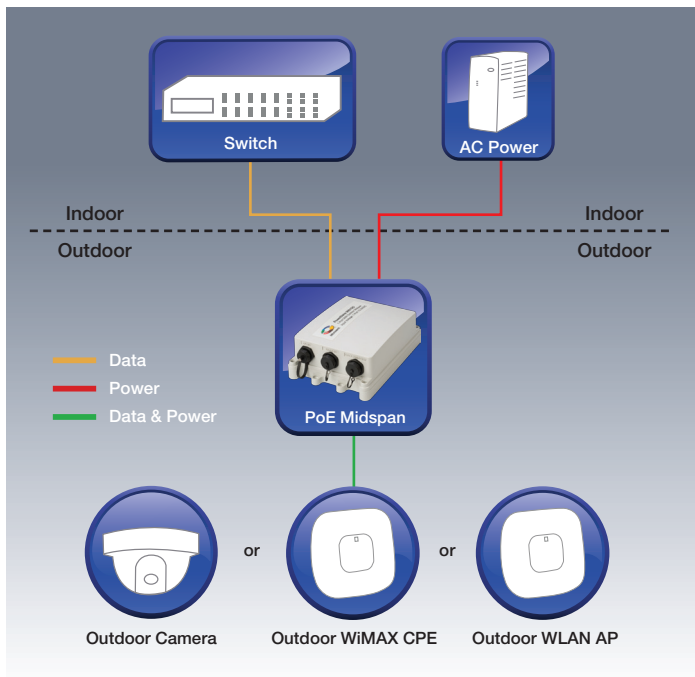
Overview

Microsemi's PD-9501GO Power over Ethernet (PoE) single-port Midspan offers a cost effective, IEEE 802.3at compliant solution for outdoor installations, guaranteeing 60 Watts of power and ensuring safe and reliable operation in outdoor environment of any standard PoE data terminal. It allows wireless LAN access points, security network cameras and other IP terminals to receive power, along with data, over standard Ethernet cables, leaving network infrastructure completely unaltered.

The PD-9501GO also offers surge protection for both the AC and the PoE ports ensuring the indoor equipment is protected from outdoor surges.

PD-9501GO Features

- Outdoor rated: IP66

- Extended temperature range -40ºC , +55ºC

- IEEE802.3at standard compliant

- Power provided using all 4 pairs

- Supports 10/100/1000Mbps data rates

- Plug 'n Play installation (installer does not have to open unit)

- Supports both 802.3af and 802.3at Powered devices

- Includes integral surge protection

PD-9501GO Specifications

No. of Ports	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet	Pin Assignment and Polarity:
Output	4/5 (+), 7/8 (–), 1/2(–), 3/6(+) Output Power Voltage: 55 VDC User Port Power: 60W guaranteed
Input Power	AC Input Voltage: 100 to 240 VAC
Requirements	AC Input Current: 2.0A @100-240 VAC AC Frequency: 50 to 60 Hz
Dimensions	214 mm x 150 mm x 70 mm 8.42 in. x 5.90 in. x 2.75 in
Weight	1.65 lbs (750g)
Indicators	No LED indicators
Connectors	Shielded rugged RJ-45 (with gasket)
Environmental Conditions	Operating Ambient Temperature: -40º to 122ºF (-40 to 50ºC) for 60W -40º to 131ºF (-40 to 55ºC) for 30W
Operating Humidity	Maximum 95%, Non-condensing
Storage Temperature	–40º to 185ºF (–40º to 85ºC)
Storage Humidity	Maximum 95%, Non-condensing
Operating Altitude	Up to 6,560 ft. (2000 m)
Weather Rating	IP66, NEMA 4X
Reliability	MTBF: 189,000 hrs. @25ºC
Thermal Rating	45 BTU/Hr (@240VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3af (PoE, PoH Type1) IEEE 802.3at (PoE+ including 2-event, PoH Type 2), RoHS Compliant, WEEE Compliant, CE
Electromagnetic	FCC Part 15, Class B
Emission & Immunity	EN 55022 Class B EN 55024, EN61000-4-5 Class 5 (6kV CM) VCCI
Surge Protection	Meets Surge Protection as specified in GR-1089-CORE Issue 4 ITU-T K.20 6 kV on AC lines
Safety Approvals	UL60950-1 & UL60950-22 GS Mark
Other Standards and	Dust and water intrusion: EN60529,
Approvals	Level1P66; NEMA 250, Level 4X ASTM B-117 Corrosion Resistance

PD-9501GO with outdoor mounting bracket

PD-OUT/MBK Kit
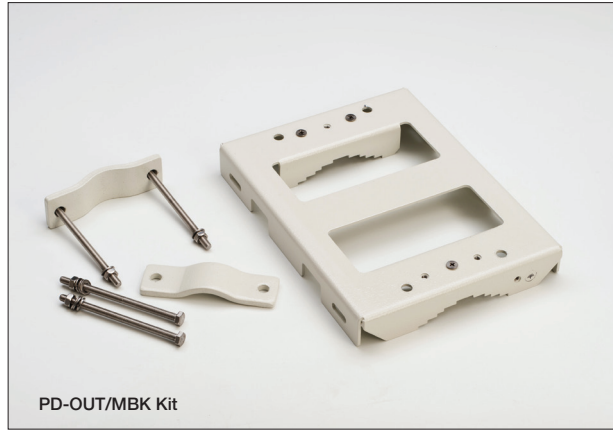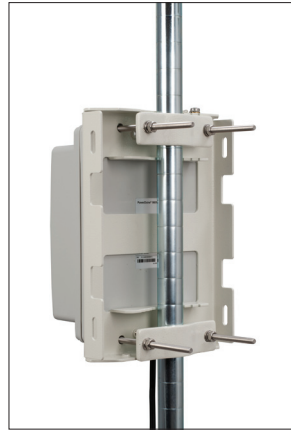
Ordering Information

Part Number	Name	Description
PD-9501GO/AC-NA	Microsemi PD-9501GO	1-port, 60W 802.3at Gigabit PoE outdoor midspan with North American power connector
PD-9501GO/AC-INTL	Microsemi PD-9501GO	1-port, 60W 802.3at Gigabit PoE outdoor midspan with international power cord
PD-OUT/MBK	Microsemi OUT MBK	Mounting brackets for outdoor unit

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